

ABSTRACT OF THE DISCLOSURE

When an inner race 12 rotates at a speed lower than a predetermined speed, a sealing body 27 contacts the sealing face part 21c, but when the inner race 12 rotates at a speed
5 more than the predetermined speed, a contacting pressure to a sealing face part 21c is reduced or the sealing body 27 is isolated so as to form a non-contacting seal, and therefore, for example, at the low speed, the sealing body 27 forms a contacting seal, thereby to compensate a low speed-low sealing
10 ability of the non-contacting seal such as the labyrinth seal, and on the other hand, at high speed rotation, the sealing body 27 reduces the contacting pressure to the sealing face part 21c, otherwise separates therefrom to form the non-contacting seal as the labyrinth seal, whereby it is possible to solve
15 the problem of heating or abrasion at the contacting part. Further, a sleeve 122 is mounted on the supporting edge 12a of the inner race 12, thereby to secure the sealing device 120 without processing a screwing hole in the inner race 12. Moreover, the sleeve 122 is optionally processed with a
20 screwing hole 122a, to thereby easily fix the sealing device 120 by the bolt 124.